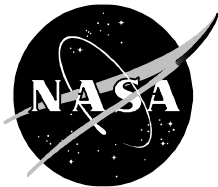


# **VERSION DESCRIPTION DOCUMENT FOR THE SINGLE SIGN-ON (SSO)**

Release 1.2.0

May 5, 2004

UNITeS Contract



National Aeronautics and  
Space Administration

**George C. Marshall Space Flight Center**  
Huntsville, AL 35812

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
SSO RELEASE 1.2.0**

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May 2004

**VERSION DESCRIPTION DOCUMENT  
FOR THE  
SSO RELEASE 1.2.0**

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May 2004

1.0 INTRODUCTION .....	2
1.1 IDENTIFICATION OF THE RELEASE .....	2
1.2 PURPOSE OF THE RELEASE .....	2
THIS RELEASE IMPLEMENTS MODIFICATIONS NECESSITATED BY THE FOLLOWING CHANGE CONTROL REQUESTS (CCR):.....	2
1.3 SCOPE .....	2
1.4 CONTACT POINTS .....	3
2.0 FUNCTIONAL INFORMATION .....	1
2.1 FUNCTIONAL CHANGES .....	1
2.2 FUNCTIONAL INTERFACES .....	1
2.3 CRITICAL ISSUES .....	1
2.4 AFFECTED DOCUMENTS .....	1
2.5 APPLICATION SYSTEM ADMINISTRATION .....	1
3.0 TECHNICAL INFORMATION .....	1
3.1 TECHNICAL SYSTEM INTERFACES .....	1
3.2 DATA DICTIONARY CHANGES .....	1
3.3 DATABASE ADMINISTRATION .....	1
3.3.1 Release Dataset Names .....	1
3.3.2 Storage Considerations .....	1
3.4 OPERATIONAL PREPARATION .....	1
4.0 KNOWN AND OPEN PROBLEMS .....	1

## **1.0 INTRODUCTION**

This Version Description Document (VDD) describes the changes and installation procedures for Release 1.2.0 of the Single Sign-On (SSO). This section identifies the release, describes its purpose, defines its scope, and identifies its contact points.

### **1.1 IDENTIFICATION OF THE RELEASE**

This software release is identified as SSO Release 1.2.0 and has an effective release date of May 5, 2004.

### **1.2 PURPOSE OF THE RELEASE**

**THIS RELEASE IMPLEMENTS MODIFICATIONS NECESSITATED BY THE FOLLOWING CHANGE CONTROL REQUESTS (CCR):**

**20030012 – SSO Password Hint  
20030021 – Redesign the Login Screen and Account Lookup  
20030022 – Change Password Rules  
20030024 – Eliminate Entry of DOB Year  
20030027 – Prevent update of NPPS fields by Civil Servants  
20040001 – Email field not completely visible to SSO Administrators**

### **1.3 SCOPE**

This VDD provides the functional and technical user of SSO with information regarding the contents, status, and structure of Release 1.2.0, including the following:

- Changes implemented since Release 1.1.1
- References to other documentation affected by this release.
- Detailed software installation instructions.

No waivers are associated with this release.

## **1.4 CONTACT POINTS**

Sustaining Engineering for SSO is provided through the Consolidation Center (CC) located at Marshall Space Flight Center (MSFC). Questions regarding the functional and/or the technical aspects as well as the installation of this release should be directed to:

The NASA Information Support Center (NISC), (Identify the application as SSO)

Telephone: (256) 544-1771 or 1-866-419-6297  
Email: <mailto:solar.support@msfc.nasa.gov>  
FAX: (256) 544-6700

## **2.0 FUNCTIONAL INFORMATION**

This section includes details regarding functional changes, functional interfaces, critical issues, affected documents, and application system administration.

### **2.1 FUNCTIONAL CHANGES**

Please refer to Appendix C, Functional Impact, for a description of all functional changes related to this release.

### **2.2 FUNCTIONAL INTERFACES**

This release impacts the interface between the SSO and AdminSTAR applications. Specifically, the update of SSO profile data into AdminSTAR.

### **2.3 CRITICAL ISSUES**

No critical issues exist for this release.

### **2.4 AFFECTED DOCUMENTS**

The SSO to AdminSTAR Interface Definition Agreement.

### **2.5 APPLICATION SYSTEM ADMINISTRATION**

There are several application system administration changes with this release. A password hint process has been added to allow users the ability to retrieve forgotten passwords based on a correct answer to a predefined question. The rules associated with password creation have been placed in a more convenient location. The profile screen has been modified to lockout update of NPPS updated fields along with elimination of the DOB year. Also, the Email field has been expanded to allow full view of the address.

### **3.0 TECHNICAL INFORMATION**

This section includes details regarding technical system interfaces, data dictionary changes, software object changes, and database administration activities.

#### **3.1 TECHNICAL SYSTEM INTERFACES**

This release will disable the update feature on SSO profile information for those fields that are updated from the NPPS interface. This will prevent those fields from being overwritten in AdminSTAR as part of the SSO/AdminSTAR interface. This should assure that NPPS is the authoritative source for those fields. The SSO profile fields will continue to be used when creating a new AdminStar Userid.

#### **3.2 DATA DICTIONARY CHANGES**

The addition of 2 fields to the SSO\_USERS table

HINT\_ID            VARCHAR2(3)  
HINT\_ANSWER    VARCHAR2(25)

New table 'HINT'

HINT\_ID            NOT NULL VARCHAR2(3) (primary key)  
HINT\_QUESTION    VARCHAR2(254)

There are no data constraints on the additional fields in SSO\_USERS.

#### **3.3 DATABASE ADMINISTRATION**

N/A

##### **3.3.1 Release Dataset Names**

N/A

##### **3.3.2 Storage Considerations**

The changes represented by this release should not affect storage requirements.

#### **3.4 OPERATIONAL PREPARATION**

N/A.



#### **4.0 KNOWN AND OPEN PROBLEMS**

There are no known or open problems related to this release.

## **APPENDIX A**

### **ABBREVIATIONS AND ACRONYMS**

## **ABBREVIATIONS AND ACRONYMS**

CC	Consolidation Center
CCR	Change Control Request
CGI	Common Gateway Interface
DBA	Database Administrator
EPS	Electronic Posting System
MSFC	Marshall Space Flight Center
NASA	National Aeronautics and Space Administration
NFS	NASA FAR Supplement
RFI	Request for Information
SAIC	Science Applications International Corporation
SAP	Simplified Acquisition Procedures
SSO	Site for On-line Learning and Resources
UNITeS	Unified NASA Information Technology Services
UOG	User and Operations Guide
VDD	Version Description Document

## **APPENDIX B**

### **GLOSSARY**

## **GLOSSARY**

### **Database Administration**

Responsibility for maintaining the physical database environment.

### **Implementation**

The process by which a NASA site installs a software release and places it into operational use.

### **Operational Preparation**

Preparation by a NASA site for installation and use of a release.

### **System Administration**

Responsibility for administrative functions such as application security and table data maintenance associated with an application.

## **APPENDIX C**

### **FUNCTIONAL IMPACT**

## **FUNCTIONAL IMPACT**

### **CCR 20030012 – SSO Password Hint**

#### **Functional Impact**

There is currently no way for a User who has forgotten his password to retrieve it without the intervention of an Administrator.

This functionality will allow a user to provide an answer to a predefined question. This question can then be answered by the User whenever they have forgotten their password and need access to course material. Upon a correct answer the password will be emailed to the individual. This should dramatically reduce the necessity for the intervention an Administrator.

## **CCR 20030021 – Redesign the Login Screen and Account Lookup**

### **Functional Impact**

The User can become distracted by the changing of color on the Login Screen and miss the associated error message. Also, make the 'Forgot Password' link more prominently displayed.

This should reduce User frustration by allowing them to more easily identify what action the application is objecting to.

## **CCR 20030022 – Change Password Rules**

### **Functional Impact**

The rules for setting passwords should be listed very simply on any page where a user has the ability to set a password.

This should reduce User frustration by providing the information a user needs to accurately create an acceptable password the first time.

## **CCR 20030024 – Eliminate the DOB Year**

### **Functional Impact**

Requiring the full Date of Birth may have legal ramifications and is not necessary to uniquely identify an individual during a match process.

Remove the matching of DOB between user accounts in SSO and AdminSTAR.

## **CCR 20030027 – Prevent update of NPPS fields by Civil Servants**

### **Functional Impact**

Disable the update capability on the User Profile Screen for those fields that are updated automatically from the NPPS Weekly refresh.

This will maintain the integrity of the values for those fields within SSO and make NPPS the authoritative source for those values. This should allow a more accurate process to take place during the matching process for users within SSO and AdminSTAR.



## **CCR 20040001 – Email field not completely visible to SSO Administrators**

### **Functional Impact**

The Email field on the User Profile screen is not completely visible to the SSO Administrator. This makes it difficult to maintain.

The expansion of the email field to allow the SSO Administrator to completely see what value is in it will allow email address to be more accurately maintained.